



Prof.dr.eng Horia Iovu graduated from Chemistry and Technology of Macromolecular Compounds at the Faculty of Industrial Chemistry, UPB. Prof. Iovu is the founder and director of the Advanced Polymer Materials Group (APMG). He was awarded his PhD in Chemistry and Technology of Polymers in 1995 and became a full professor of Chemical Engineering in 1999.

Prof. Iovu`s research activity generated original scientific results recognized at both national and international level. During his career, Professor Iovu was directly involved and coordinated more than 25 research projects.

He founded in 2008 the Advanced Polymer Materials Group (APMG www.apmg.pub.ro) inside UPB and since then he is coordinating the research team. The basic research interest of Prof. Iovu is related to chemical engineering and material science, regarding synthesis and characterization of hybrid materials based on (bio)polymers reinforced with various organic/inorganic nano-compounds (nanofillers) with application in hard tissue engineering; synthesis and characterization of composite materials based on natural/synthetic polymers with fibrous architecture; polymer/carbon-based nanocomposites for biosensors; synthesis and characterization of biopolymer composites for biomedical applications and synthesis; characterization of hybrid materials as potential drug delivery systems and the design and construction of 3D structures for biomedical applications using the modern, non-invasive techniques: 3D-bioprinting, electrospinning. Dr. Iovu has also expertise in the field of carbon nanostructures by modifying the surface of the graphene and carbon nanotubes to functionalize them with biopolymers.

Afiliations:

- Professor, Department of Bioresources and Polymer Science, University Politehnica of Bucharest, 011061, Bucharest, Romania;
- Academy of Romanian Scientists, 050094 Bucharest, Romania;
- Fellow member at Royal Society of Chemistry.

Executive summary

- 180 journal articles, 5 invited and more than 20 plenary talks, 10 book chapters, attendance at more than 15 prestigious international conferences organized by Elsevier, American Chemical Society or Royal Society of Chemistry and more than 5 patents;
- Doctor Honoris Causa at Oil and Gas University of Ploiești, Romania (2019);
- Editor in Chief: *Materiale plastice* (Plastic Materials Journal);
- Award “BUNEA DANIEL” - Romanian Society of Biomaterials (2011);
- Referee reviewer for more than 10 scientific journals (European Polymer Journal, Composites Part B, Polymer, etc.);
- Figures of merit @ 01/08/2020: (1) ISI Thomson: 2143 citations/257 documents, H-index: 24 (Researcher ID: C-3644-2011); (2) SCOPUS: 2150 citations/263 documents, H-index: 24 (Author ID: 55134881500) (3) Google Scholar: 2633 citations/272 documents, H-index: 27; ORCID <https://orcid.org/0000-0003-1028-2198>.